

CLIPPEDIMAGE= JP409176602A
PAT-NO: JP409176602A
DOCUMENT-IDENTIFIER: JP 09176602 A
TITLE: DISPERSION POWDER FOR WATER-RESISTANT ADHESIVE

PUBN-DATE: July 8, 1997

INVENTOR-INFORMATION:

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APPL-NO: JP08327207
APPL-DATE: December 6, 1996

INT-CL (IPC): C09J131/00; C08K003/16 ; C08K003/24 ; C08K003/32 ;
C08K003/34
; C08K005/07 ; C08L029/04 ; C08L029/04 ; C08L029/04 ; C08L031/00 ;
C08L031/00
; C08L031/00 ; C08L031/04 ; C09J129/04 ; C09J129/04 ; C09J131/04

ABSTRACT:

PROBLEM TO BE SOLVED: To prepare a redispersible dispersion powder useful as a water-resistant adhesive by mixing a vinyl ester polymer with polyvinyl alcohol, an anticaking agent, a specific water-sol. aldehyde, a Lewis acid, etc.

SOLUTION: A redispersible dispersion powder is prepd. by mixing a vinyl ester (co)polymer with 2-20wt.% [based on the vinyl ester (co)polymer] polyvinyl alcohol having a degree of hydrolysis of 70-100mol% and a viscosity (of an aq. soln. thereof with a concn. of 4%) of 2-70mPa.s, 0-50wt.% (based on the sum of the foregoing two polymers; the same applies hereunder) anticaking agent, 0.001-5wt.% masked, 3C or higher and di- or higher functional water-sol. aldehyde capable of releasing the aldehyde group in an acidic medium, 0-25wt.% additives (e.g. a film-forming assistant and a plasticizer), and 0-10wt.% Broensted or Lewis acid.

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